

SESSION III

TONE REPRODUCTION

A. Homework Prior to First Day

Read C. E. K. Mees and T. H. James Theory of the Photographic Process, Chapter 22, Pages 464 - 470 and 482 - 497.

B. First Day: Lecture

1. Practical Considerations for Objective Tone Reproduction

- a. System Calibration
- b. Materials Certification
- c. Process Control

2. Input/Output Relationships

- a. Scene - Original
- b. Original - Duplicate
- c. Duplicate - Duplicate
- d. Duplicate - Scene

3. Approaches on a Production Scale

- a. Problems
- b. Records Keeping
- c. Quality Control

C. Second Day: Laboratory

1. System Calibration
2. Duplicating Prediction
3. Empirical Testing of Cycle
4. Required Equipment and Supplies:
 - a. 20 x 20 division/inch graph paper
 - b. French curves, rulers, etc.
 - c. Controllable processor, preferably Model II Versamat
 - d. Controllable printer, either continuous or frame contact
 - e. Calibrated densitometer, preferably TD-102, TD-203, or equivalent

D. Third Day: Continuation of Laboratory, Results Analysis and Q/A session